k6 Cloud Demo
Executive Summary Report

Automated load test report and summary for test MU_MICATest in organization k6 Cloud Demo

app.k6.io

EXECUTIVE SUMMARY - MU_MICATest

PASS

Status: PASS
Created: 22 Mar 2022 at 02:23
Started by: bill@k6.io
VUs: 1 000 VUs
Duration: 6 min
Load zones:

Max Throughput	HTTP Failures	Avg Response Time	95% Response Time
548 reqs/s	16 033 reqs	151 ms	369 ms

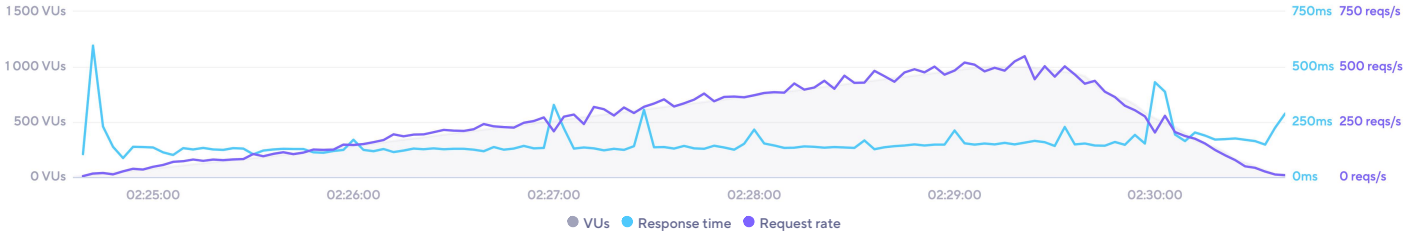
SUMMARY

This report summarizes a test run of the test "MU_MICATest". It was performed on March 22, 2022 and is considered to be successful.

The test was configured to run up to **1 000 VUs** for 6 minutes. A total of **95 091 requests** were made with a max throughput of **548 reqs/s**. The sections below give a more detailed breakdown.

PERFORMANCE OVERVIEW

The average response time of the system being tested was **152 ms** and **95 091 requests** were made at an average request rate of **258 requests per second**.



TEST OVERVIEW

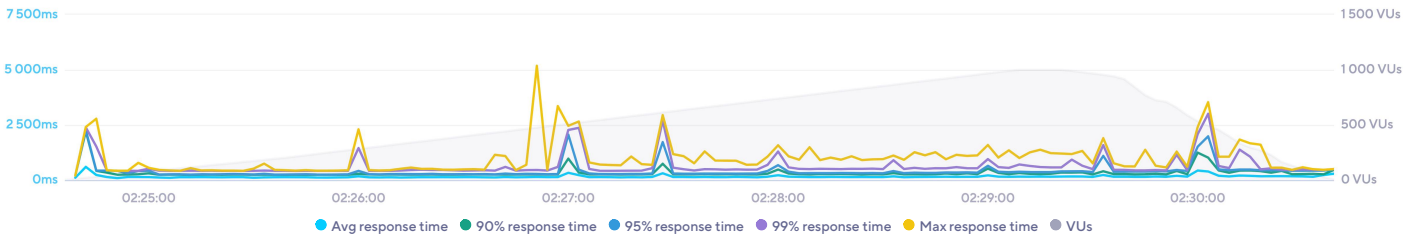
THRESHOLDS

The run met all of its performance expectations, with none of the defined thresholds having been exceeded.

	THRESHOLD NAME	CONDITION	VALUE
✓	http_req_duration: p(95)<1000	p(95)<1000	p(95)=369
✓	http_req_duration: p(95)<10000	p(95)<10000	p(95)=369

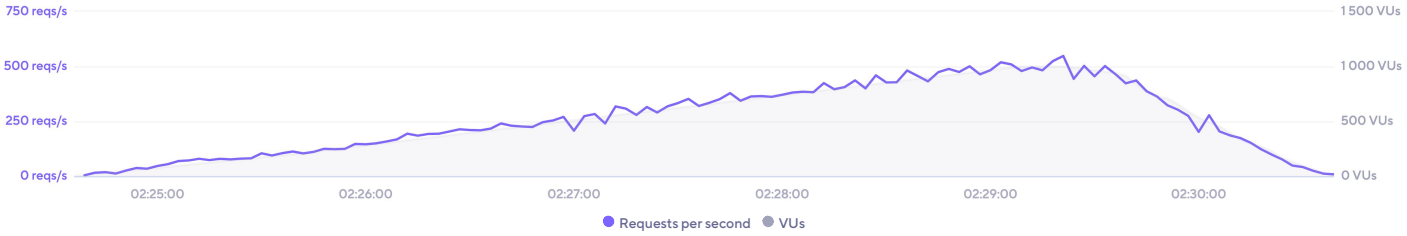
RESPONSE TIME

The maximum response time was **5 181 ms** at **476 VUs**. The average response time at the same point in time was **141 ms**, with 95% of requests taking less than **275 ms**.



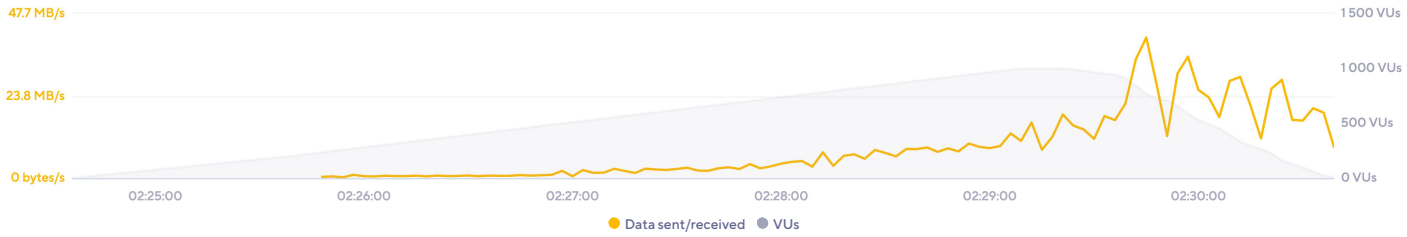
THROUGHPUT

The test had an overall average request rate of **258 reqs/s** peaking at **548 reqs/s** while running **1 000 VUs**.



BANDWIDTH

The amount of data sent peaked at **769 VUs**, sending **283 KB/s** of data. Data received had its peak at **769 VUs** with **40.5 MB/s** being received.



TOP 10 SLOWEST REQUESTS

There were requests to **21** unique URLs, with **31** different responses received. The slowest response had an average response time of **1 980 ms**.

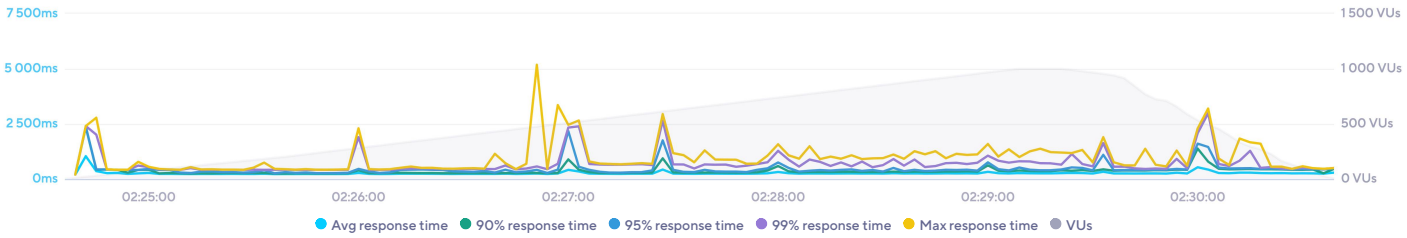
URL	METHOD	STATUS	COUNT	MIN	AVG	95%	99%	MAX
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	502	1	1 980 ms	1 980 ms	1 980 ms	1 980 ms	1 980 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	502	4	274 ms	1 207 ms	2 091 ms	2 103 ms	2 106 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	502	3	152 ms	815 ms	1 778 ms	1 904 ms	1 936 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	502	4	291 ms	796 ms	1 876 ms	2 081 ms	2 132 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	502	15	68 ms	471 ms	1 888 ms	1 903 ms	1 907 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	502	3	173 ms	311 ms	391 ms	394 ms	394 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	200	15951	19 ms	268 ms	575 ms	1 151 ms	5 181 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	POST	502	4	186 ms	237 ms	293 ms	297 ms	298 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	GET	200	2783	18 ms	164 ms	285 ms	536 ms	2 782 ms
https://64vl4ag8uh.execute-api.us-east-1.amazonaws.com/prod	POST	200	4341	23 ms	161 ms	287 ms	687 ms	2 519 ms

LOAD ZONE OVERVIEW - Sydney, AU (50% distribution)

RESPONSE TIME

LOAD ZONE: Sydney, AU [50%]

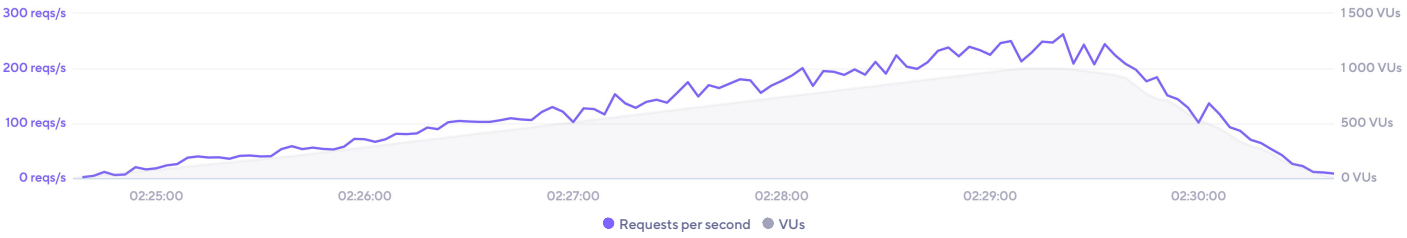
The maximum response time from Sydney, AU was **5 181 ms** while the test was running a total of **476 VUs**. The average response time at the same point in time was **250 ms**, with 95% of requests taking less than **415 ms**.



THROUGHPUT

LOAD ZONE: Sydney, AU [50%]

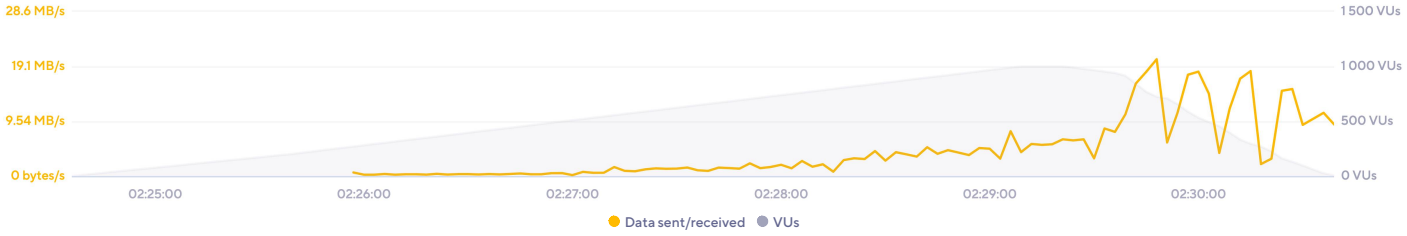
The request rate from Sydney, AU peaked at **262 reqs/s** while running a total of **1 000 VUs**.



BANDWIDTH

LOAD ZONE: Sydney, AU [50%]

The amount of data sent from Sydney, AU peaked at **724 VUs**, sending **144 KB/s** of data. Data received had its peak at **724 VUs** with **20.2 MB/s** being received.

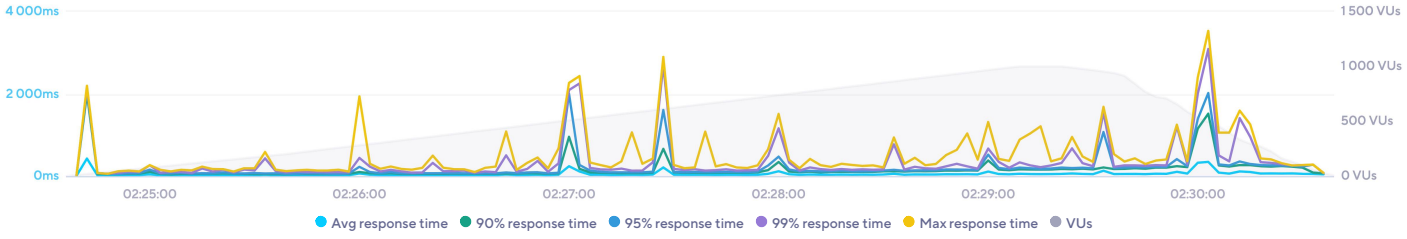


LOAD ZONE OVERVIEW - Ashburn, US (50% distribution)

RESPONSE TIME

LOAD ZONE: Ashburn, US [50%]

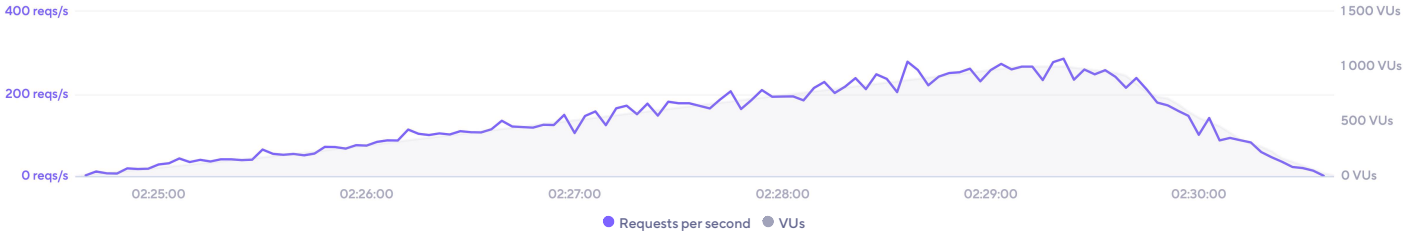
The maximum response time from Ashburn, US was **3 532 ms** while the test was running a total of **493 VUs**. The average response time at the same point in time was **348 ms**, with 95% of requests taking less than **2 021 ms**.



THROUGHPUT

LOAD ZONE: Ashburn, US [50%]

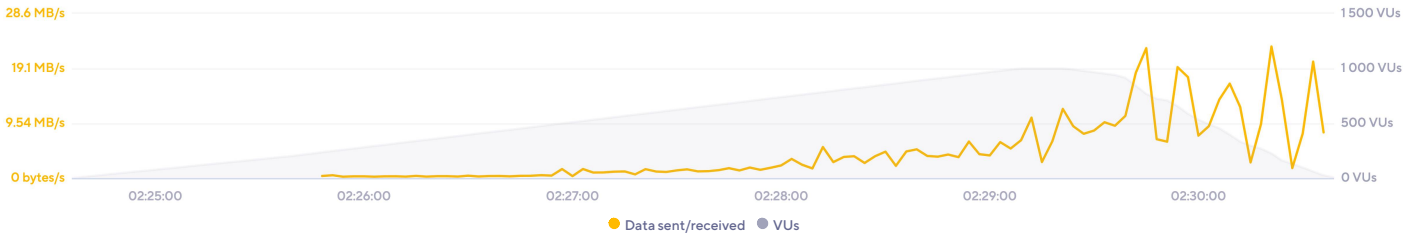
The request rate from Ashburn, US peaked at **286 reqs/s** while running a total of **1 000 VUs**.



BANDWIDTH

LOAD ZONE: Ashburn, US [50%]

The amount of data sent from Ashburn, US peaked at **769 VUs**, sending **148 KB/s** of data. Data received had its peak at **226 VUs** with **22.8 MB/s** being received.


28.6 MB/s
19.1 MB/s
9.54 MB/s
0 bytes/s
1 500 VUs
1 000 VUs
500 VUs
0 VUs
02:25:00
02:26:00
02:27:00
02:28:00
02:29:00
02:30:00
Data sent/received
VUs

VOCABULARY

VUs
A Virtual User is a simulation of a real user making requests to the system. Multiple VUs are executed concurrently to simulate traffic to the website or API.

Response Time
The time from sending the request, processing it on the server side, to the time the client received the first byte.

Throughput
The amount of transactions the system under test can process, showing the capacity of the website or application.

Latency
The time that data sent or received spends on the wire, i.e. from the start of data being transmitted until all the data has been sent.

Checks
A check is an assertion that the system under test behaves correctly, e.g. that it returns the correct status code. They do not halt the execution of the test, but acts as a pass/fail metric.

Thresholds
Thresholds are a pass/fail criteria used to specify the performance expectations of the system under test.

ABOUT k6 CLOUD

k6 helps engineering teams prevent system failures and quickly deliver best-of-class applications. Our cutting-edge load testing platform brings cross-functional teams together to prevent reliability and scalability issues so that every application performs well. Developers, operations, and QA teams use our tools to automate testing and test earlier in the development process to bring high-quality products to market faster.

For more than 20 years, we have consulted businesses about load testing. We have spent the past 12 years developing state-of-the-art load and performance testing tools. 6,000+ customers—including Grafana, Microsoft, Carvana, and Olo—run millions of k6 tests every month. For more information, visit https://k6.io.